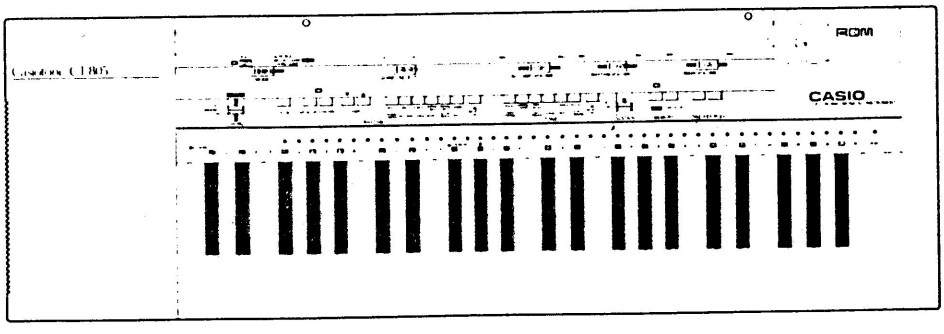
Casiotone CT-805

ELECTRONIC MUSICAL INSTRUMENT
INSTRUMENTO MUSICAL ELECTRONICO

OPERATION MANUAL 2
MANUAL DE OPERACION 32



Casiotone CT-805

ELECTRONIC MUSICAL INSTRUMENT

Introduction

Thank you very much for purchasing the Casiotone CT-805. The CT-805 has a variety of musical features in its compact body, offering fun for everyone.

MELODY GUIDE.....Indicators light above the keys to guide the player through the melody line of a song.

CHORD GUIDE.....Indicators light above the keys to make it possible for anyone to learn how to play chords.

ROM PACK.....A wide selection of melodies recorded on a unique, new type of medium. Plugging in a ROM pack makes it possible to enjoy auto play, one-key play, melody guide and chord guide.

MANUAL MEMORY.....A built-in memory allows real-time recording of keyboard play. Digital recording means that sound quality is not effected by changes in tempo.

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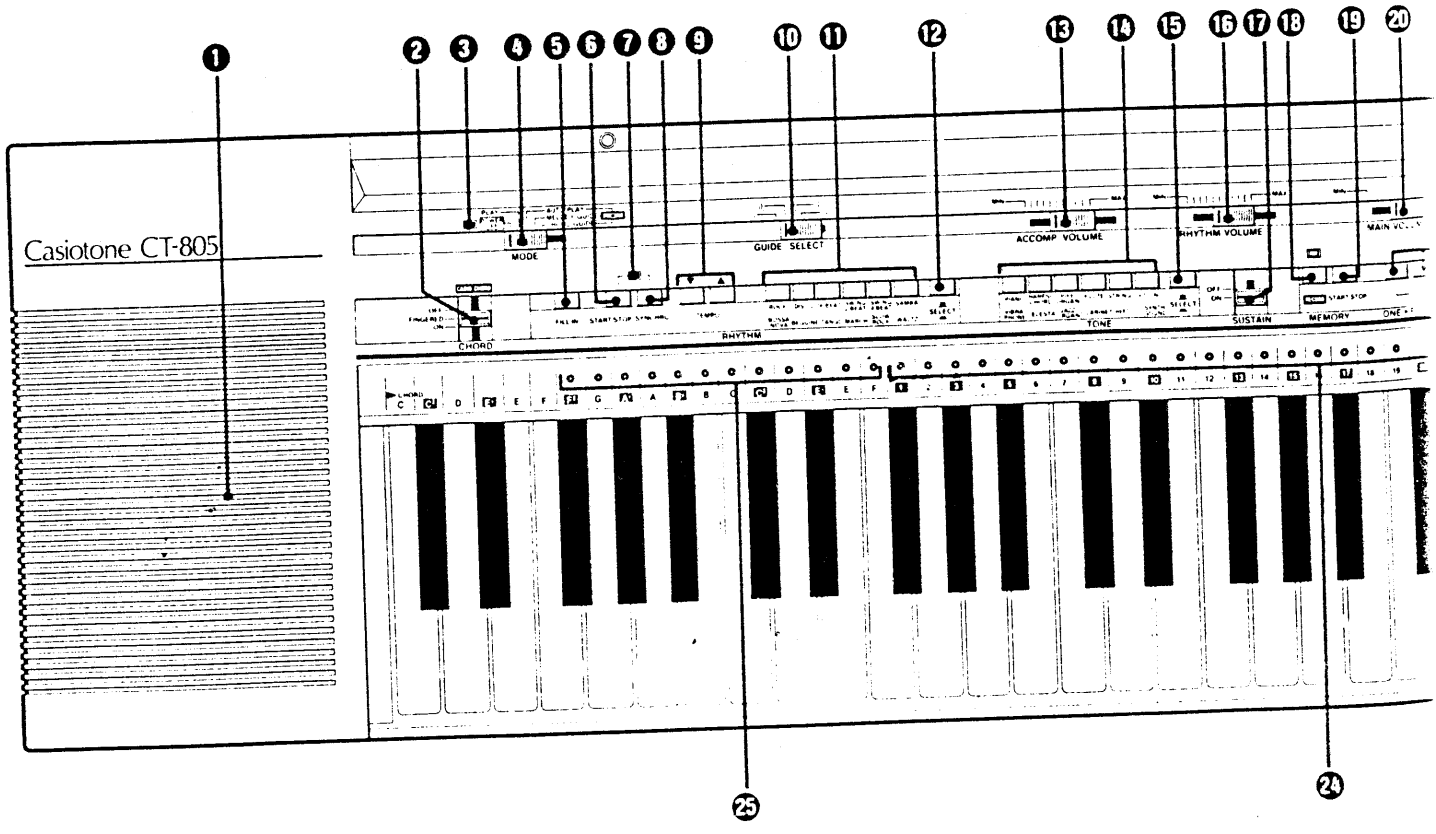
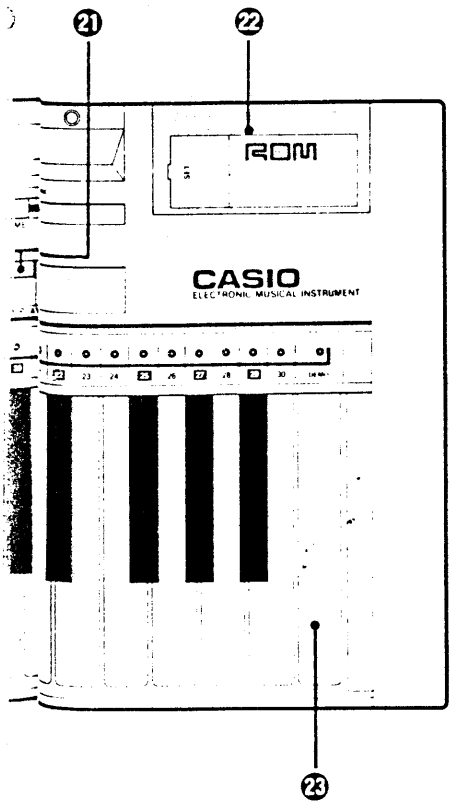
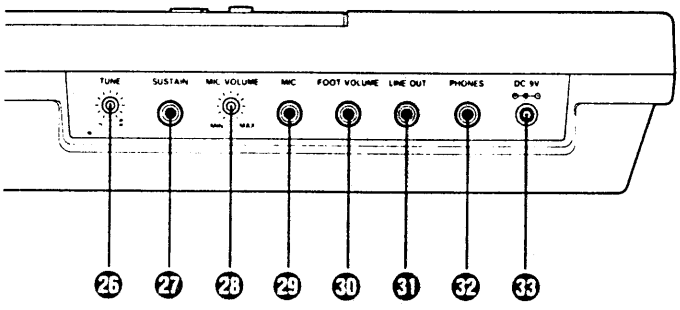
1 General Guide





❶ Built-in speaker
❷ Casio Chord switch
❸ Power indicator
❹ Mode selector
❺ Fill-in button
❻ Start/stop button
❼ Tempo indicator
❽ Synchro button
❾ Tempo controls
❿ Guide selector
⓫ Rhythm selectors
⓬ Select button
⓭ Accompaniment volume control
⓮ Preset tone selectors
⓯ Select button
⓰ Rhythm volume control
⓱ Sustain ON/OFF switch
⓲ Record button
⓳ Memory start/stop button
⓴ Main volume control
㉑ One key play buttons
㉒ ROM pack compartment
㉓ Demo key
㉔ Melody guide indicators
㉕ Chord guide indicators



㉖ Tuning control
Adjusts the pitch of the entire keyboard within 50 cents and provides easy tuning with other instruments.
**Be sure to use a standard plastic-grip screwdriver.*

㉗ Sustain jack
For connection of a sustain pedal (SP-1, optional) for sustain effect.

㉘ Microphone volume control
Controls the volume of the connected microphone.

㉙ Microphone input jack
Connect a microphone to this jack. You can sing along with auto play of accompaniment. It is advisable to use a microphone with an output impedance of 10kΩ or 600Ω.

㉚ Foot volume jack
For connection of a foot volume control pedal (VP-2, optional). Free volume change can be made by foot.

㉛ Output jack
For connection to keyboard amplifiers, external speakers, audio equipment, etc.

㉜ Headphone jack
For connection of optional headphones (CP-2). Output from the speakers is automatically cut when headphones are connected.

㉝ AC adaptor jack
For connection of AC adaptor (AD-5, optional) or car adaptor (CA-5, optional).

2 Power Supply

This unit operates on both AC and DC power.

DC Power

- **Dry batteries**
  This unit can be powered by six D size (SUM-1) manganese dry batteries. Weakened batteries will result in lower volume or poor tonal quality. The power indicator lamp will gradually lose its brightness when battery power weakens. At this time, change batteries or shift to one of the alternate power sources mentioned below.

Battery replacement:

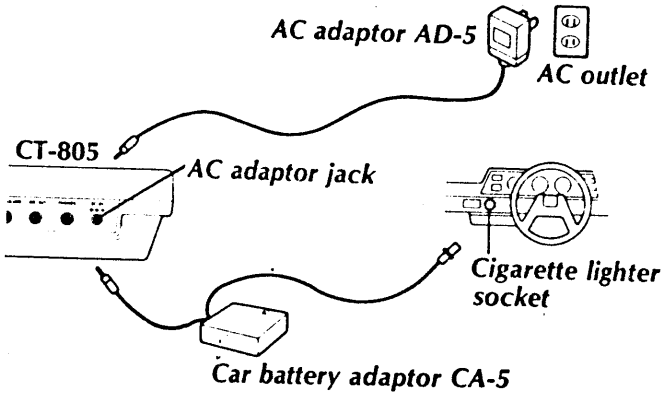
① Open the battery compartment cover on the bottom of the unit and take out used batteries.
② Load new batteries taking care that polarity is correct.

* *It advisable to replace all six batteries at the same time for longer battery life.*
* *Refer to the specifications for standard battery life.*

- **Car battery**
  With the car battery adaptor (CA-5, optional), DC power is supplied from a car battery through the cigarette lighter socket.

AC Power

An AC adaptor (AD-5, optional) is required to connect to an AC outlet. Use only adaptor with the same voltage rating (100, 117, 220, or 240V) as the power supply in your area to prevent component damage. Plug the AC adaptor into the AC outlet and the cord into the unit. This will automatically cut off the battery power supply.



★ Auto power off function

Power is automatically cut off approximately 6 minutes after the last operation of the unit. Power supply can be restored by switching power OFF and then ON again.

CAUTION

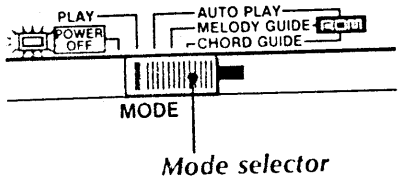
* Use only genuine CASIO adaptors to avoid risk of damage.
* Remove batteries from the battery compartment when the unit is not used for extended periods. (Battery leakage can damage electrical parts.)
* The adaptor may become warm when left connected to an outlet. This is normal, but the adaptor should be disconnected when not in use.
* THE FOLLOWING CONDITIONS CAN CAUSE BATTERIES TO BURST:

1. *Use of adaptors other than genuine CASIO adaptors.*
2. *Loading batteries with polarities reversed.*

3 Manual Play

General Operation

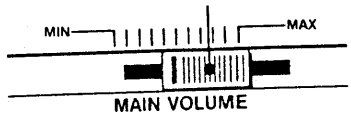
① Slide the mode selector to "PLAY".
* *Sliding the mode selector from "POWER OFF" to any other position switches the main power on.*
* *Set the mode selector to "PLAY" for manual play.*



Mode selector

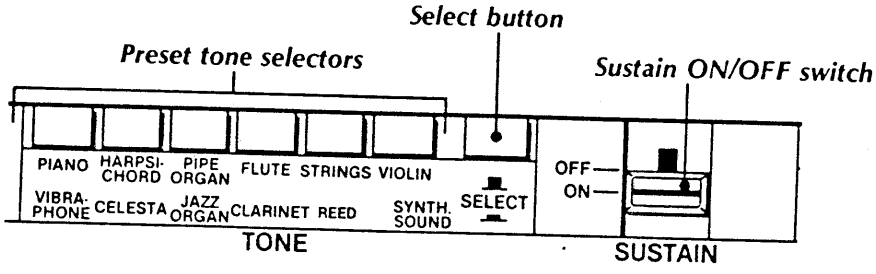
② Adjust the volume level.
* *Set the main volume control to an initial position as illustrated.*

Main volume control



③ Now, start playing.

Preset Tone & Sound Effect

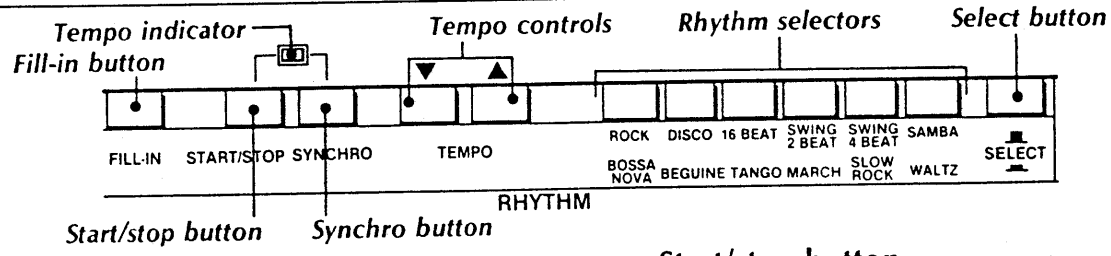


- **Selecting a preset tone**
  Use the tone selectors to choose a tone. Each selector is marked with two names. Tones are set according to whether the select button is depressed or released.

- **Sustain ON/OFF switch**
  Turn on the sustain switch to get a sustain effect. The sound lingers on, even after the fingers are removed from the keyboard.

* *Sound effects can only be used for the melody keyboard.*

Auto-rhythm



- **Selecting an auto-rhythm**
  Use the rhythm selectors to choose the desired rhythm. When the select button is raised, the rhythms marked above the rhythm selectors can be selected. When depressed, the rhythms marked below the selectors can be selected.

- **Tempo Control**
  Tempo or speed, at which the rhythm accompaniment is played, can be controlled using the tempo buttons. Pressing the <▲> button will increase tempo while pressing the <▼> button will decrease tempo. Tempo can be manually adjusted in any of the play modes and can be changed at any time while playing.

- **Start/stop button**
  Press to start or stop rhythm.

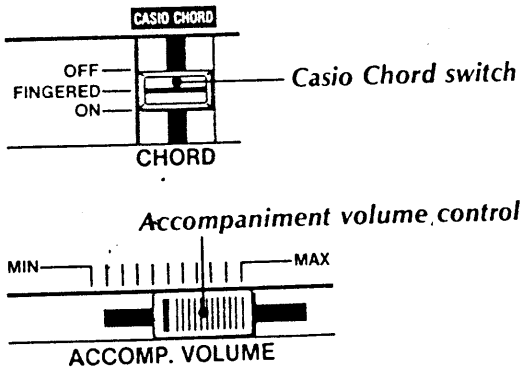
- **Synchro button**
  Press to enter the synchro start stand by status. Rhythm starts when the accompaniment keyboard key (lower 1.5 octave, C through F) is pressed.

- **Tempo indicator**
  Blinks on the first beat of each measure during rhythm accompaniment. Stays lit in the synchro start stand by status.

- **Fill-in button**
  Inserts fill-in (different rhythm pattern) to the rhythm accompaniment.

Auto-accompaniment

The auto-accompaniment function of this unit offers two ways of playing chords. One is the normal way in which you play three or four notes at the same time, and the other is the easier "One-finger method" which is available using the Casio Chord system.

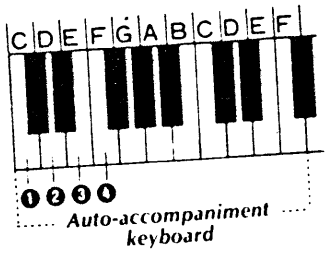


- **Casio Chord switch**
  Turns auto-accompaniment on and off.
  OFF .....For normal play without auto-accompaniment.
  FINGERED .....For auto-accompaniment pressing chords as usual.
  ON.....For auto-accompaniment using the Casio Chord system.
  **If the Casio Chord switch is set to "FINGERED" or "ON", the lower one-and-a-half octaves of the keyboard become accompaniment keyboard keys, and the upper part of the keyboard becomes 4-note polyphonic.*
- **Accompaniment volume control**
  Adjusts the volume of the auto-accompaniment, i.e., rhythm, chord and bass.

Casio Chord System

The Casio Chord system has been developed so you can play the four main types of chords more easily. Playing of the chords is simplified as shown below:

- Pressing one of the accompaniment keyboard keys produces a major chord corresponding to that note.
- Simultaneously pressing any key to the right (two keys at the same time) results in a minor chord.
- Similarly, pressing one more key to the right (three keys in all) produces a seventh chord, and pressing the fourth key to the right (four keys in all) creates a minor seventh chord.



(Example)

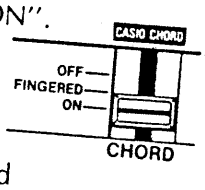
C (C major chord)—Press ❶.
Cm (C minor chord)—Press ❶, ❷ together.
C_7 (C seventh chord)—Press ❶, ❷, ❸ together.
Cm_7 (C minor seventh chord)—Press ❶, ❷, ❸, ❹ together.

*Not only ❷, ❸ and ❹, but any black or white keys can be used as long as they are to the right of ❶.

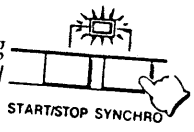
3. Manual Play

[1] Auto-accompaniment using the Casio Chord System (One-finger Method)

① Set the Casio Chord switch to "ON".



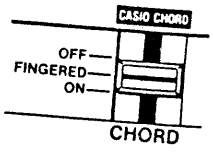
②Select one of the auto-rhythms and press the synchro button.
The tempo indicator lights, meaning that the accompaniment keyboard keys are ready for play.



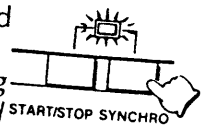
③Play on the accompaniment keyboard keys according to the Casio Chord system.
**Adjust the tempo and accompaniment volume using the respective controls.*

[2] Auto-accompaniment playing chords as usual.

①Set the Casio Chord switch to "FINGERED".



②Select one of the auto-rhythms and press the synchro button.
**The tempo indicator lights, meaning that the accompaniment keyboard keys are ready for play.*

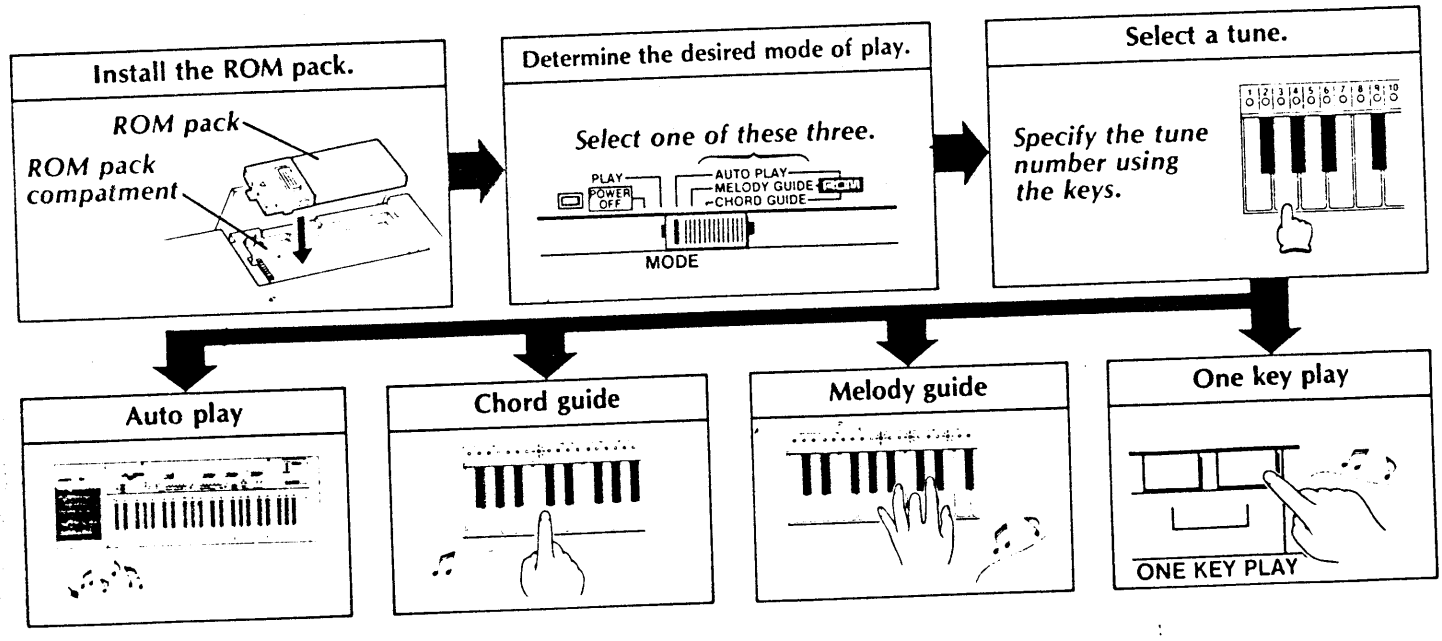


③Play a chord on the accompaniment keyboard keys.
**Adjust the tempo and accompaniment volume using the respective controls.*

4 Memory Play

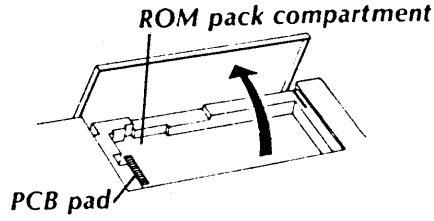
Outline of Memory Play

With this memory play function, the melody, chords and obbligato stored in the ROM pack can be played back in various ways such as auto play, melody guide, chord guide or one key play. As shown below, all you have to do is install the ROM pack into the unit, choose the method of play, and select a tune.

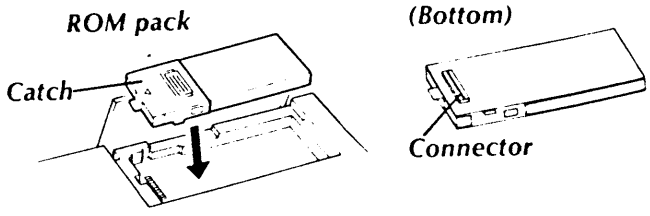


How to Install the ROM Pack

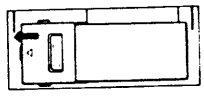
① Lift up the ROM pack compartment lid on the top panel of the unit.



② Install the ROM pack into the compartment.
* *Place the ROM pack with its connector facing the PCB pad.*



③ Fasten the ROM pack by sliding the catch.



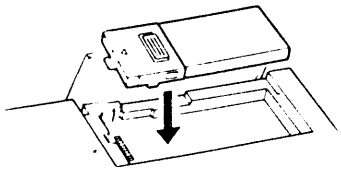
CAUTION

- Since the internal circuitry of the ROM pack may be damaged by static electricity, be sure to ground yourself by touching some metallic object such as a door-knob prior to handling the ROM pack, so as to discharge any static electricity.
- Take good care of the connector part of the ROM pack and the PCB pad of the unit. They must be free from dust and dirt, so avoid touching them by hand. Use a soft dampened cloth to clean them.

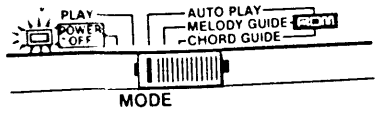
Auto Play

Simply by selecting a tune from the ROM pack the unit plays it automatically.

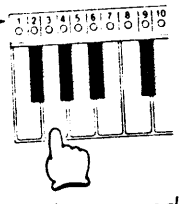
① Install the ROM pack into the compartment.



② Slide the mode selector to "AUTO PLAY".



Tune number



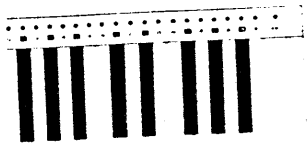
③ Select a tune by pressing the keyboard key with the number of the tune you want to hear.

* *Auto play starts after a high percussive sound counting the beat for one measure.*

* *Adjust the volume level using the main and accompaniment volume controls.*

* *You can freely change the tone or tempo during auto play..*

If you press the top key on the keyboard, all the tunes stored in the ROM pack will be played one after the other endlessly.



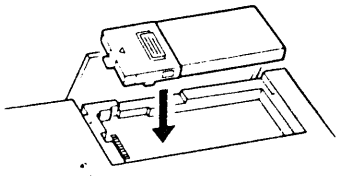
Demonstration key

* *An "error sound" is heard if the ROM pack is not installed in the compartment properly.*

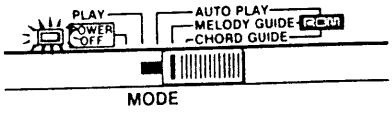
Melody Guide

The melody guide indicators light up in accordance with the stored music to show which key to press. Even those who cannot read music can play easily by pressing the keys indicated by these lamps. This mode is ideal for beginners to learn the basics of keyboard play.
There are four types of melody guides, and the following explanation is for melody guide I.

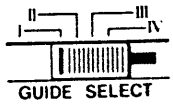
① Place the ROM pack into the compartment.



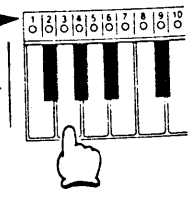
② Set the mode selector to "MELODY GUIDE".



③ Set the guide selector to "I".

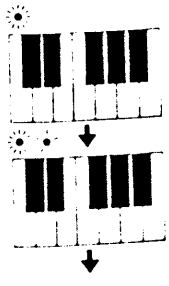


④ Select a tune.
* *Melody guide starts after one measure of beat count.*



=illuminated light
=blinking light

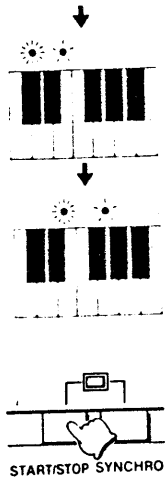
⑤ Start melody guide.
- A melody guide indicator lights up and tells you the first key to press.
- Play the first key and then the next key will be shown by a blinking indicator. Play the next key the moment the blinking stops.



- Even if you touch an incorrect key, the lit up indicator waits for you to play the correct one, together with accompaniment and obbligato.

- If the indicator lamp remains on after you play the corresponding key, this means that the same note continues. In this case, press that key again.

- Press the start/stop button if you want to stop along the way.



- **Melody guide I (Guide selector I)**
  An LED lights above the key to be played and the unit waits until you press the proper key on the keyboard.
- **Melody guide II (Guide selector II)**
  LEDs light above the keys to be played and sequentially advance according to the melody whether you play the key or not.
- **Melody guide III (Guide selector III)**
  LEDs do not light above the keys to be played unless you do not press the proper key more than 2 bars.
- **Melody guide IV (Guide selector IV)**
  LEDs do not light above the keys to be played and the accompaniment advances no matter what you play on the keyboard.

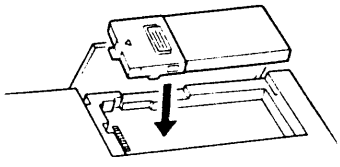
NOTE

Some of the songs start with an introduction and others without one. Before you start practicing using melody guide, listen to the auto play carefully and memorize the melody line. Also, if you start playing during an introduction or interlude, that part of the performance will be skipped. (The obbligato part of the skipped introduction or interlude will be played quickly.)

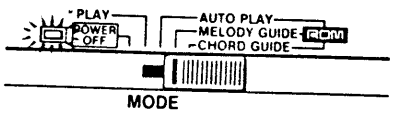
One Key Play

When melody guide I or melody guide III is selected, each time a one key play button is pressed, a note of the selected melody can be called out. With this key anyone can enjoy playing simply by using one finger.

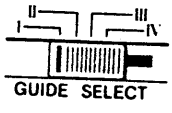
① Place the ROM pack into the compartment.



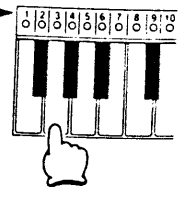
② Set the mode selector to "MELODY GUIDE" (one key play can only be used in the melody guide mode).



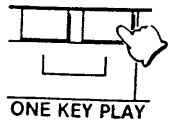
③ Set the guide selector to either I or III (one key play cannot be used in position II or IV).



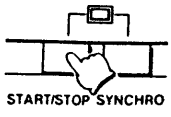
④ Select a tune using the keyboard keys.



⑤ Press one of the one key play buttons to automatically play a note. You need only worry about timing and tempo. The unit automatically plays the proper note each time either one of the one key play buttons is pressed.



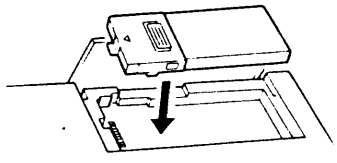
* *The melody performance stops automatically when the end is reached. But if you want to stop along the way, press the start/stop button.*



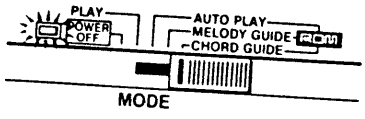
Chord Guide

The chord guide indicators light up in accordance with the stored music to show which key to press. Even those who cannot read music can play easily by pressing the keys as indicated by these lamps. This mode is ideal for beginners to learn chords. There are four types of chord guides, and the following explanation is for chord guide I.

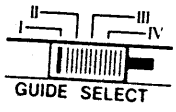
① Place the ROM pack into the compartment.



② Set the mode selector to "CHORD GUIDE".

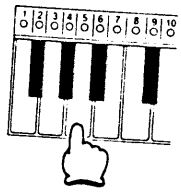


③ Set the guide selector to "I".



④ Select a tune.

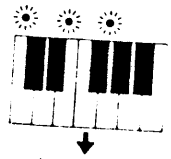
* *Chord guide starts after one measure of beat count.*



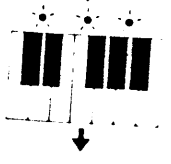
= *illuminated light*
= *blinking light*

⑤ Start chord guide.

- Chord guide indicators light up and tell you the keys to press.

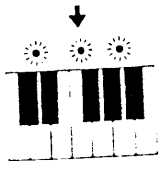


- Play the first chord and then the next chord will be shown by a blinking indicators.

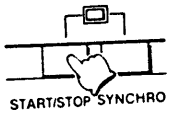


4. Memory Play

- Even if you play an incorrect chord, the lit up indicators wait for you to play the correct one, together with accompaniment and obbligato.



- Press the start/stop button if you want to stop along the way.



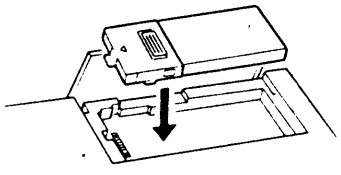
* *When using chord guide, the melody guide indicators flash from right to left. Play of the next chord should be timed for when the indicator of key ③ goes out.*

- **Chord guide I (Guide selector I)**
  LEDs light above the keys to be played and the unit waits until you play the proper chord on the keyboard.
- **Chord guide II (Guide selector II)**
  LEDs light above the keys to be played and sequentially advance according to the music whether you play the chord or not.
- **Chord guide III (Guide selector III)**
  LEDs do not light above the keys to be played unless you do not play the proper chord for more than 2 bars.
- **Chord guide IV (Guide selector IV)**
  LEDs do not light above the keys to be played and the accompaniment advances no matter what you play on the keyboard.

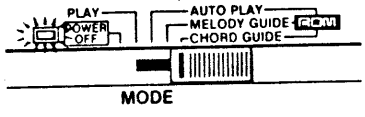
One Key Chord

When chord guide I or chord guide III is selected, each time a one key play button is pressed, a chord of the selected melody can be called out.

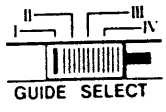
① Place the ROM pack into the compartment.



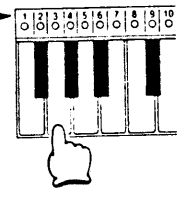
② Set the mode selector to "CHORD GUIDE" (one key chord can only be used in the chord guide mode).



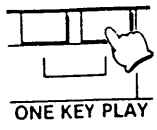
③ Set the guide selector to either I or III (one key chord cannot be used in position II or IV).



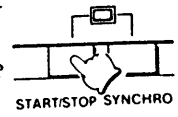
④ Select a tune using the keyboard keys.



⑤ Press one of the one key play buttons to automatically play a chord. You need only worry about timing and tempo. The unit automatically plays the proper chord each time either one of the one key buttons is pressed.



* *The melody performance stops automatically when the end is reached. But if you want to stop along the way, press the start/stop button.*

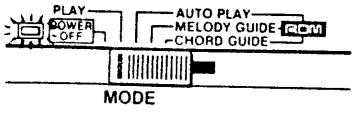


5 Manual Memory

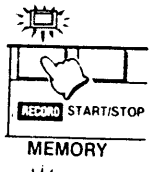
Keyboard play can be stored directly into memory. Difficult selections can be input at a slow pace and then sped up during playback using the tempo control.

RECORDING

① Set the mode selector to "PLAY".

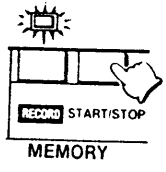


② Press the record button to enter the record standby mode.

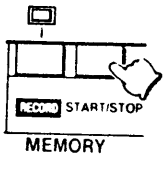


③ Press the memory start/stop button to start recording.

* *Recording starts after one measure of beat count.*

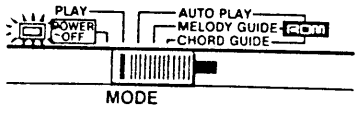


④ Press the memory start/stop button to stop recording.

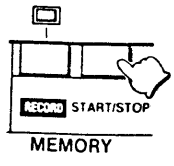


PLAYBACK

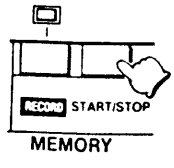
① Set the mode selector to "PLAY".



② Press the memory start/stop button to play back the stored memory.



③ Press the memory start/stop button to stop playback.



NOTE

- Memory capacity is approximately 500 notes (when only melody is input) or 670 chords (when only chords are input).
- Tempo is adjusted during recording and playback using the tempo control.
- Tone and rhythm can be selected during recording and playback.
- Input can be performed using auto accompaniment (Casio Chord/Fingered) for play. The Casio Chord switch is not operational, however, during playback.

6 Troubleshooting

*For any malfunction, always check battery condition first. (see page 7)

Trouble	Possible Cause	Remedy
No sound, even if keys are pressed.	1. Main volume turned down. 2. Headphones connected.	1. Turn up main volume. 2. Disconnect headphones.
No rhythm.	Rhythm volume turned down.	Turn up rhythm volume.
No accompaniment.	Main and accompaniment volume turned down.	Turn up main and accompaniment volume.
Occasional interference.	Refrigerators, washing machines and similar electric appliances.	Use outlet as far away as possible from appliance thought to be the cause.
No sound when connected to external amplifier.	1. Main volume turned down. 2. Defective connection cord.	1. Turn up main volume. 2. Replace connection cord.

7 Care of Your Unit

1. **Avoid heat, humidity, and direct sunlight.**
   Do not overexpose the unit to direct sunlight, place it near a heater, or in any area subject to high temperature.

2. **Avoid severe impacts and do not drop.**
   Severe impacts can result in malfunction. When carrying or transporting the unit, protect the keyboard and buttons by packing with soft cloth.

3. **Keep the unit free of liquids, dust, particles, etc.**
   Do not allow foreign matter to enter between the keys. Be especially careful of metallic objects such as hairpins, sewing needles or coins. Also, do not allow the unit to get wet.

4. **Never attempt to modify any part of the unit.**
   Your keyboard is a precision musical instrument made up of sophisticated electronic parts. Any modification of, or tampering with internal components can cause trouble or malfunction.

5. **Do not use lacquer thinner or similar chemicals for cleaning.**
   Clean the keyboard with a soft cloth dampened with a mild detergent solution. Soak the cloth in the detergent solution and squeeze it until almost dry.

6. **Remove batteries before extended storage.**
   Batteries left in the unit for long periods can leak and cause damage to electronic circuitry.

7. **In case of malfunction...**
   Check whether buttons and connections are set correctly as indicated in the troubleshooting chart on page 26 of this manual. If the unit still does not work properly, contact the original retailer or a nearby dealer. Never attempt to repair the unit yourself. This can result in serious damage of the components.

8 Specifications

Model:	Casiotone CT-805
Number of keys:	49 keys
Polyphonic:	8-note
Preset tones:	12 sounds; piano, harpsichord, pipe organ, flute, strings, violin, vibraphone, celesta, jazz organ, clarinet, reed, synth. sound
Auto-rhythm:	12 rhythms; rock, disco, 16 beat, swing 2 beat, swing 4 beat, samba, bossa nova, beguine, tango, march, slow rock, waltz
Auto accompaniment function:	Casio Chord, Fingered
Memory play function:	• ROM pack memory function • Auto play • Melody guide (I, II, III, IV) • Chord guide (I, II, III, IV) • One key play • One key chord
Sound effect:	Sustain
Tuning control:	Within ±50 cents (±1/4 tone)
Built-in speaker:	12 cm ($3\frac{3}{4}$'') dia. × 1 (output = 2.0 W)
Output jack:	Output impedance = 10 k. Ω Output voltage = 1.2 V (RMS) max.

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (not applicable to other areas).

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

..... reorient the receiving antenna
..... relocate the computer with respect to the receiver
..... move the computer away from the receiver
..... plug the computer into a different outlet so that computer and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: "How to Identify and Resolve Radio-TV Interference Problems." This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4.

Mic. input jack:	Input impedance = 600Ω, Sensitivity = 2mV
Power source:	3-way AC/DC power source; • AC: 100, 117, 220 or 240 V (±10 V), 50/60 Hz, with optional AC adaptor AD-5 • DC: 6 D-size manganese dry batteries Battery life: Approximately 10 hours • Car battery: Power taken via optional car adaptor CA-5
Power consumption:	9.0W
Auto power off:	After 6 minutes.
Dimensions:	900 (W) × 96 (H) × 286 (D) mm 35½"(W) × 3⅘" (H) × 11⅓" (D)
Weight:	5.5 Kg (12.1 lbs) including batteries.
Standard accessories:	6 D-size manganese dry batteries (SUM-1), Dust cover, Score stand, ROM pack

**Design and specifications are subject to change without notice.*

Music Score/Partitura

[Before you begin]

- The introduction part of the tunes are shown in the score. Do not start playing during that part.

—Melody guide—

- The numbers written below the notes show the right hand fingering of the keys.

—Chord guide—

(1) Chord names (C, G...) are written above the lines.
(2) The 3-digit numbers above the chord name show the left hand fingering of the chords.
(3) The illustration above the 3-digit number shows the keyboard position.
The illustration is only given for the first appearance of each chord.
Following repeats of the same chord are shown by the 3-digit number only.

[Antes de iniciar]

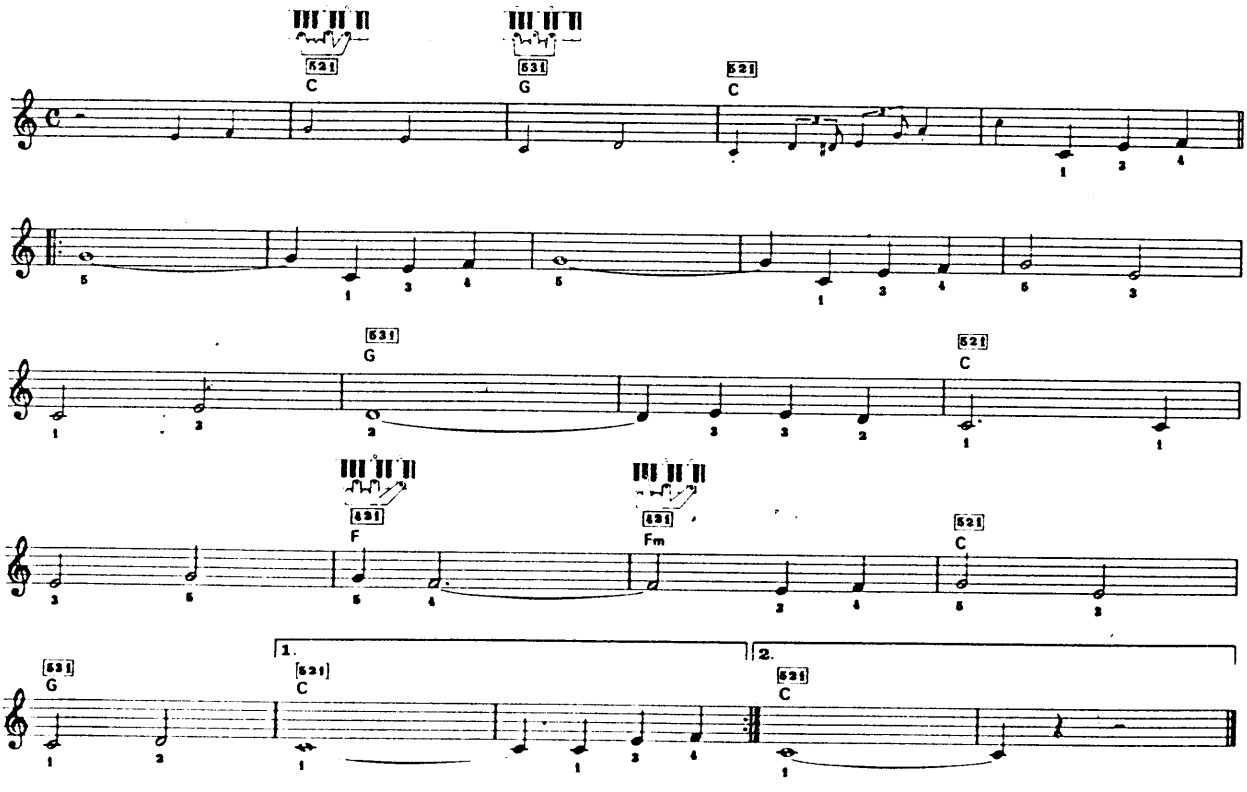
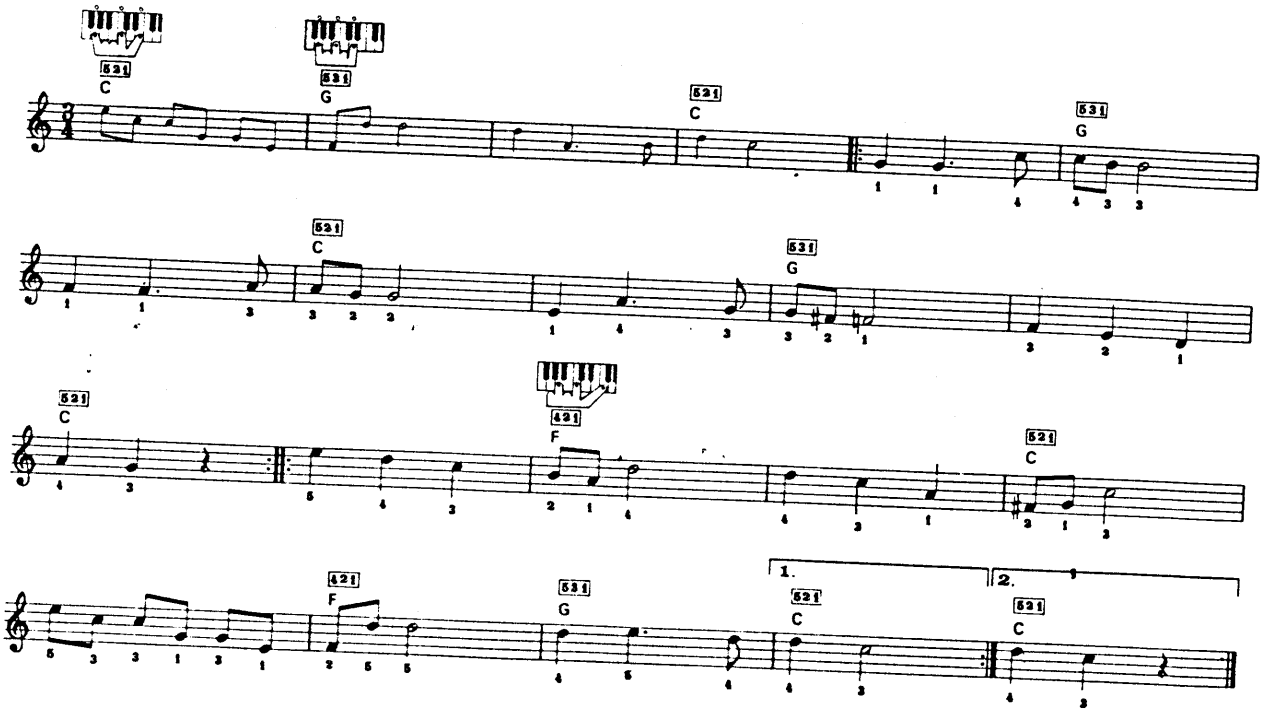
- La parte de introducción de las melodías se muestran en la partitura. No inicie la ejecución durante esa parte.

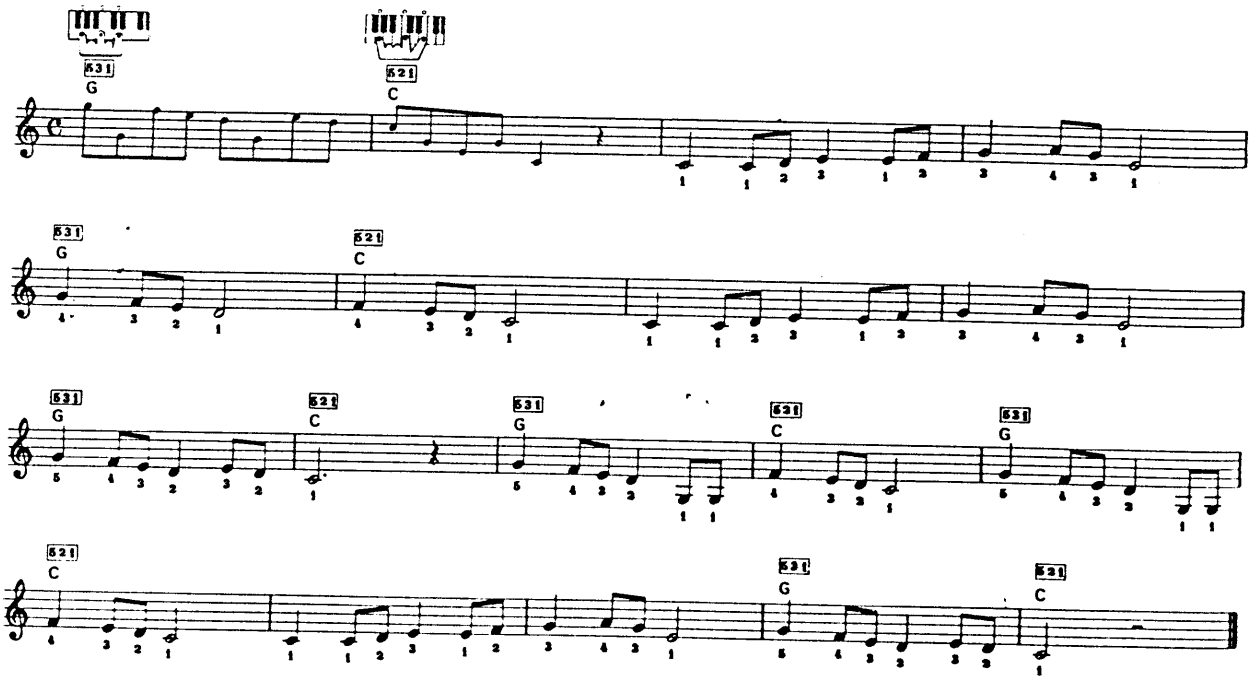
—Guía de melodía—

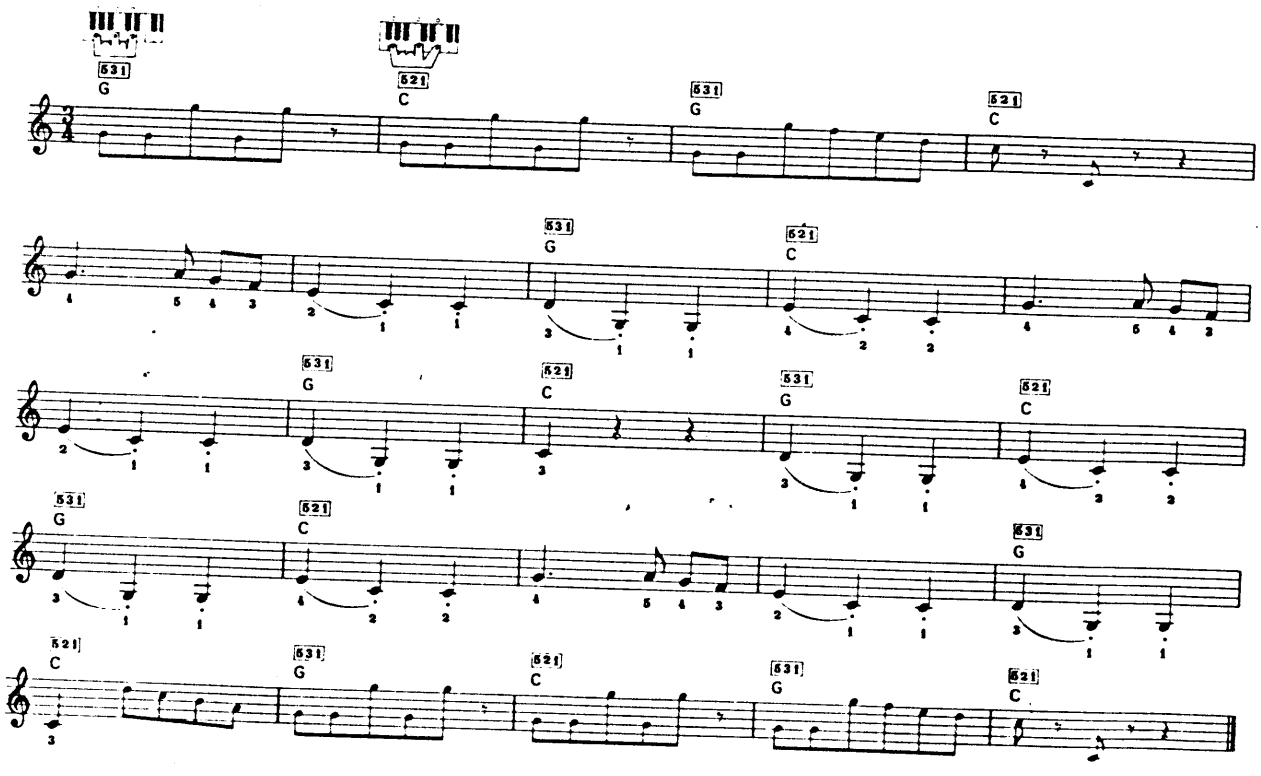
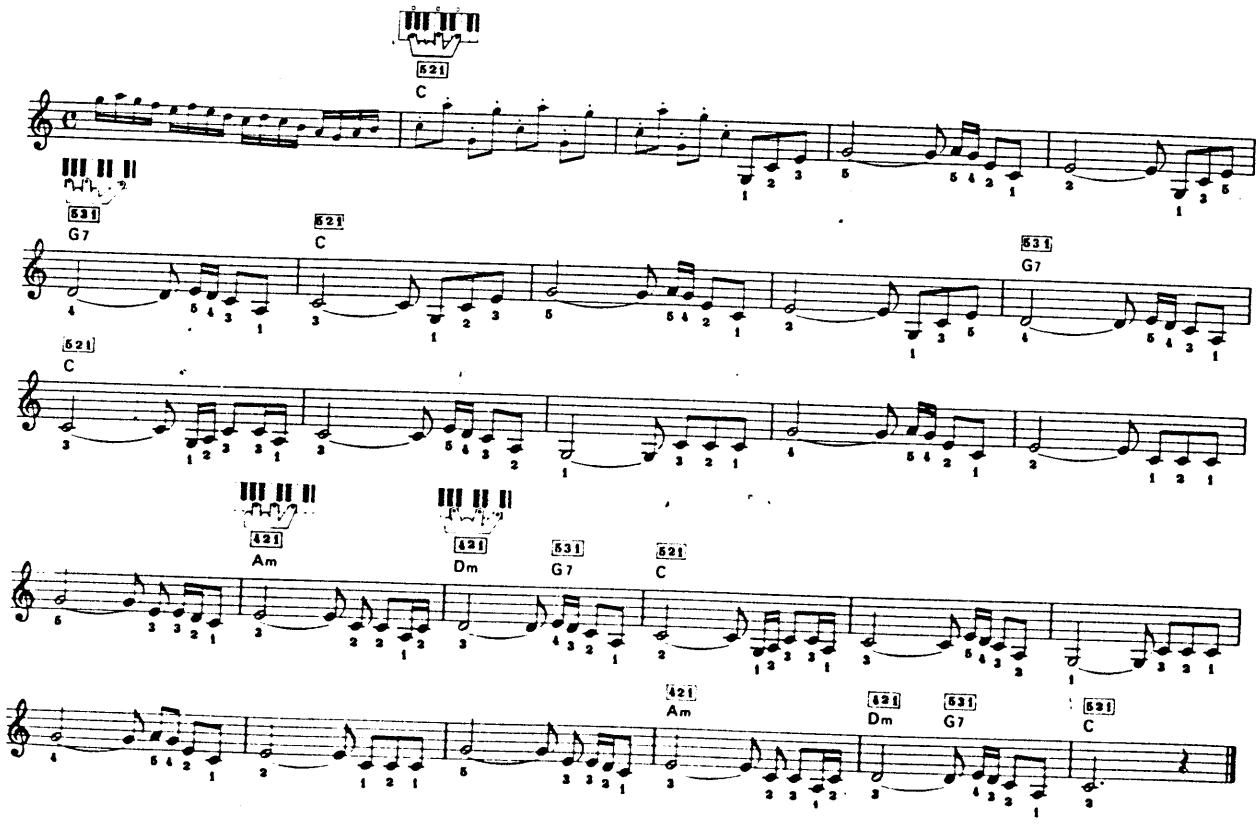
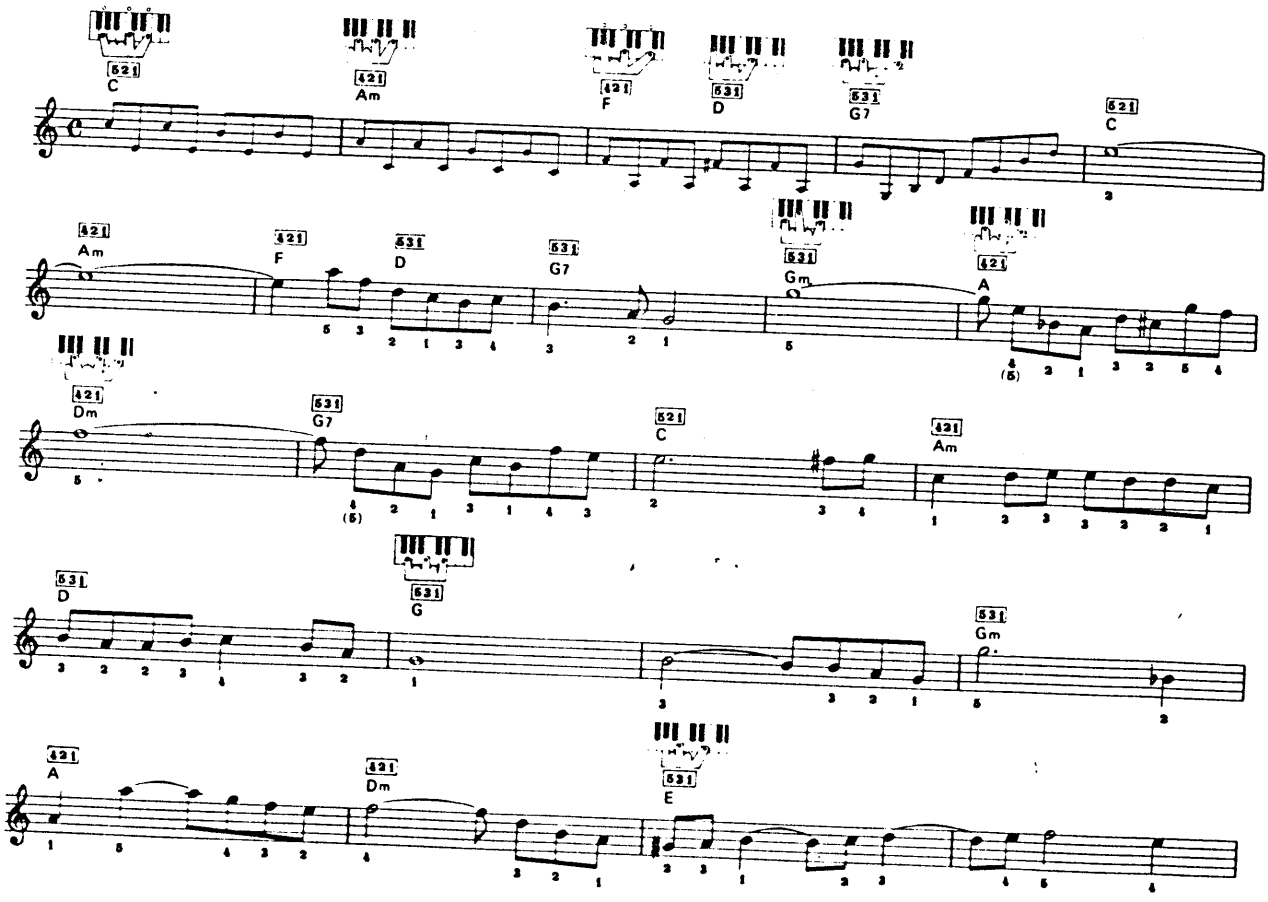
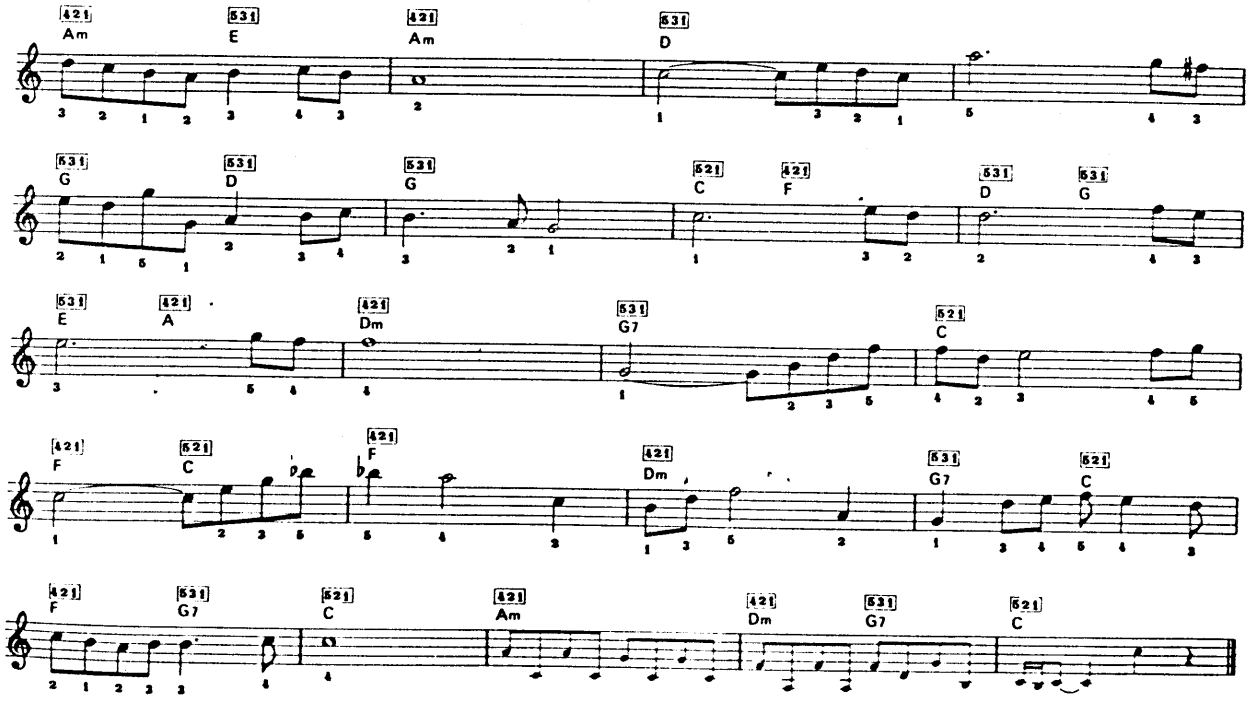
- El número escrito debajo de las notas muestra la digitación de las teclas con la mano derecha.

—Guía de acorde—

(1) Los nombres de los acordes [C (DO), G (SOL)...] están escritos arriba de las líneas.
(2) Los números de 3 dígitos arriba del nombre del acorde muestra la digitación de los acordes con la mano izquierda.
(3) La ilustración sobre el número de 3 dígitos muestra la posición del teclado.
La ilustración se proporciona solamente para la primera aparición de cada acorde.
Las siguientes repeticiones del mismo acorde son únicamente como muestra el número de 3 dígitos.

1 WHEN THE SAINTS GO MARCHING IN

2 SANTA LUCIA

3 LONG, LONG AGO



4 ACH DU LIEBER AUGUSTIN

5 THE STAGECORCH

6 AIR ON THE G-STRING

421 Am
531 E
421 Am
531 D
531 G
531 D
531 G
521 C
421 F
531 D
531 G
531 E
421 A
421 Dm
531 G7
521 C
421 F
521 C
421 F
421 Dm
531 G7
521 C
421 F
531 G7
521 C
421 Am
421 Dm
531 G7
521 C